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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: 5770-21
DATE: March 12, 2001**UTILITY PATENT APPLICATION TRANSMITTAL LETTER
AND FEE TRANSMITTAL FORM (37 CFR 1.53(b))**

BOX PATENT APPLICATION

Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is:

- a patent application claiming the benefit of priority from US Provisional Application Serial No. 60/189,072 filed **March 13, 2000** which is hereby incorporated by reference herein.
 a Continuation a Continuation-in-Part (CIP)
 a Divisional or prior
 a Provisional of prior application no.:
 A Small Entity Statement(s) was filed in the prior application; Status still proper and desired.

 Inventor(s) or Application Identifier: **Bastiaan Driehuys, Dennis Fuji, James R. Brookeman and Klaus D. Hagspiel** Entitled: **DIAGNOSTIC PROCEDURES USING DIRECT INJECTION OF GASEOUS HYPERPOLARIZED ¹²⁹XE AND ASSOCIATED SYSTEMS AND PRODUCTS** Enclosed are:

1. Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2. 67 pages of Specification (including 88 claims)
3. 12 sheets of Formal Drawings (35 USC 113)
4. Oath or Declaration
 - a. newly executed (*original or copy*)
 - b. copy from prior application (37 CFR 1.63(d) (*for continuation/divisional*) [Note Box 5 Below])
 - c. DELETION OF INVENTOR(S) (*Signed statement deleting inventor(s) named in the prior application*)
5. Incorporation By Reference (*useable if box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. Microfiche Computer Program (*Appendix*)
7. Assignment papers (2 Assignments with *cover sheet(s) and appropriate fees*)
8. Applicant claims Small Entity Status. See 37 CFR 1.27.
9. Information Disclosure Statement, PTO-1449
10. Preliminary Amendment (*Please enter all claim amendments prior to calculating the filing fee.*)
11. English Translation Document
12. Certified Copy of Application No. ; Filed

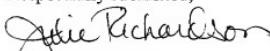
13. Sequence Listing/ Sequence Listing Diskette
 a. computer readable copy
 b. paper copy
 c. statement in support
14. An Associate Power of Attorney
15. Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
16. Other:

The fee has been calculated as shown below:

	Column 1 No. Filed	Column 2 No. Extra	Small Entity Rate	Large Entity Rate
BASIC FEE			\$ 355.00	\$ 710.00
TOTAL CLAIMS	88 - 20 =	68	x 09 = \$	x 18 = \$1224.00
INDEP CLAIMS	13 - 3 =	10	x 40 = \$	x 80 = \$ 800.00
<input type="checkbox"/> MULTIPLE Dependent Claims Presented			+ 135 = \$	+ 270 = \$
<i>If the difference in Col. 1 is less than zero, Enter "0" in Col. 2</i>			Total \$	Total \$2734.00

- A check in the amount of \$ _____ for the filing fee is enclosed.
- A check in the amount of **\$2,814.00** is enclosed to cover the filing fee (\$2,734.00), PLUS the Assignment Recordation fees (\$80.00).
- Please charge my Deposit Account No. 50-0220 in the amount of \$ _____.
- The Commissioner is hereby authorized to credit overpayments or charge the following fees associated with this communication to Deposit Account No. 50-0220:
- a. Additional filing fees under 37 CFR 1.16 for presentation of extra claims.
 - b. Additional patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

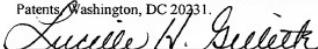

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CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EL733092485US
 Date of Deposit: March 12, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box Patent Application, Commissioner For Patents, Washington, DC 20231.


 Lucille H. Gillette